

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-9. (Canceled)

10. (Currently Amended) A driving method of an~~An~~ electronic apparatus;
~~comprising: having~~
_____an active electronic device including: a carbon nanotube; a~~a~~ first electrode
connected to one end of the carbon nanotube; a~~a~~ second electrode connected to the other end
of the carbon nanotube; and~~and~~ a third electrode placed near the carbon nanotube to irradiate the
carbon nanotube with electromagnetic waves; and, the method comprising:
 ~~a driver circuit for~~causing the third electrode to output electromagnetic waves;
and
_____varying a frequency of the electromagnetic waves to control a conductance of
the carbon nanotube, wherein the frequency includes at least a predetermined frequency so
that the conductance of the carbon nanotube is increased.

11. (Canceled)

12. (Currently Amended) The driving method of~~An active electronic device~~
~~according to~~ claim 10, wherein the frequency is about 1GHz.